## BEST AVAILABLE COPY

#### **INTERNATIONAL SEARCH REPORT**

Interional Application No PCT/EP2005/051269

			FC1/EF2005/051269		
A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07D471/04 A61K31/4745					
According to	International Patent Classification (IPC) or to both national classificat	tion and IPC			
	SEARCHED				
Minimum do	cumentation searched (classification system followed by classificatio CO7D A61K	n symbols)			
110 /	CO/D AGIN				
Documentati	ion searched other than minimum documentation to the extent that su	ich documents am includ	ad in the fields passabad		
Documental	ion searched other man minimum documentation to the extent mat su	on documents and MCIDO	ed III ille lierus sealCled		
Electronic de	ata base consulted during the international search (name of data bas-	e and where prodical o	accel towns used)		
	ternal, WPI Data, CHEM ABS Data	o and, where practical, s	earch terms used)		
LIO 1111	ternar, wit bata, then Abs bata				
C DOCUME	ENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the rele	vant passages	Relevant to claim	No.	
Υ	WO 03/014123 A (BUHR WILM ; ALTAN		1-13		
	AG (DE); SENN-BILFINGER JOERG (DE	))			
	20 February 2003 (2003-02-20) cited in the application				
	the whole document				
Y	IIS 4 468 400 A (PUICHALSKI CHESTER	ET AL )	1_12		
'	US 4 468 400 A (PUCHALSKI CHESTER ET AL) 1-13 28 August 1984 (1984-08-28)				
	cited in the application				
	the whole document; in particular, column 3, lines 14-25; column 3, line 39 - column				
	4, line 10; and column 6, line 52				
:					
,	<del>-</del> .	/			
:					
X Furth	ner documents are listed in the continuation of box C.	X Patent family me	embers are listed in annex.		
° Special cat	tegories of cited documents :	T* later document publis	hed after the international filing date		
	ent defining the general state of the art which is not ered to be of particular relevance	or priority date and i cited to understand	not in conflict with the application but the principle or theory underlying the		
'E' earlier d	document but published on or after the international	invention  X* document of particula	r relevance; the claimed invention		
'L' docume	cannot be considered novel or cannot be considered to  "L" document which may throw doubts on priority claim(s) or  "L" document which may throw doubts on priority claim(s) or  involve an inventive step when the document is taken alone				
citation	which is cried to establish the publication date of another citation or other special reason (as specified)  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the				
other n	other means  document is combined with one or more other such docu- ments, such combination being obvious to a person skilled				
	*P* document published prior to the international filing date but later than the priority date claimed in the art.  *& document member of the same patent family				
Date of the a	Date of the actual completion of the international search  Date of mailing of the international search report				
24	4 August 2005	06/09/20	05		
Name and m	nailing address of the ISA	Authorized officer			
	European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel (431-70) 340-2040 Tv. 31 651 app pl				
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Fink, D			

# BEST AVAILABLE COPY

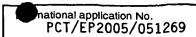
#### **INTERNATIONAL SEARCH REPORT**

Interponal Application No PCT/EP2005/051269

C (Continue	(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT					
		Relevant to claim No.				

# REST AVAILABLE COPY

#### **INTERNATIONAL SEARCH REPORT**



Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)
This international Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Although claim 13 is directed to a method of treatment of the human/animal body (Article 52(4) EPC), the search has been carried out and based on the alleged effects of the compound/composition.
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Powerly on Protect
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.
The process and paymont of additional obtaining tools.

# PEST AVAILABLE COPY INTERNATIONAL SEARCH REPORT

-miormation on patent lamily members

Interest nail Application No PCT/EP2005/051269

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 03014123	Α	20-02-2003	AT	297931 T	15-07-2005
			BR	0211826 A	28-06-2005
			CA	2452803 A1	20-02-2003
			CN	1541219 A	27-10-2004
			DE	60204701 D1	21-07-2005
			WO	03014123 A1	20-02-2003
			EP	1419163 A1	19-05-2004
			HU	0500330 A2	28-07-2005
			JP	2005504761 T	17-02-2005
			MX	PA04001277 A	27-05-2004
			NO	20040604 A	10-02-2004
			US	2005049272 A1	03-03-2005
	_		ZA	200400918 A	20-04-2005
US 4468400	Α	28-08-1984	NONE		

0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form - PCT/RO/101 PCT Request	
0-4-1	Prepared Using	PCT Online Filing Version 3.50 (Build 0001.162)
0-5	Petition	
	The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	European Patent Office (EPO) (RO/EP)
0-7	Applicant's or agent's file reference	1243WOORD01
ī	Title of invention	7, 8, 9, 10-TETRAHYDRO-IMIDAZO[2,1-A] ISOCHINOLINES
II	Applicant	
II-1	This person is:	applicant only
II-2	Applicant for	all designated States except US
11-4	Name:	ALTANA PHARMA AG
II-5	Address:	Byk-Gulden-Str. 2 78467 Konstanz Germany
II-6	State of nationality	DE
11-7	State of residence	DE
II-8	Telephone No.	+49-(0)7531-84-5264
II-9	Facsimile No.	+49-(0)7531-84-5321
II-10	e-mail	DEKON.IPPA-DE@altanapharma.com

III-1	Applicant and/or inventor			
III-1-1	This person is:	applicant and inventor		
III-1-2	Applicant for	US only		
III-1-3	Inventor for	AP: (BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW); EA: (AM AZ BY KG KZ MD RU TJ TM); EP: (AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU MC NL PL PT RO SE SI SK TR); OA: (BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG); AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH&LI CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC		
III-1-4	Name (LAST, First)	VN YU ZA ZM ZW		
III-1-5	Address:	PALMER, Andreas		
111-1-5	Address.	Pirminweg 1a 78467 Konstanz Germany		
III-1-6	State of nationality	DE		
III-1-7	State of residence	DE		
III-2	Applicant and/or inventor			
111-2-1	This person is:	inventor only		
111-2-4	Name (LAST, First)	BREHM, Christof		
III-2-5	Address:	Richentalstr. 8 78462 Konstanz Germany		
III-3	Applicant and/or inventor			
III-3-1	This person is:	inventor only		
III-3-4	Name (LAST, First)	CHIESA, M. Vittoria		
III-3-5	Address:	Alpenstr. 5 78464 Konstanz Germany		
III-4	Applicant and/or inventor			
III-4-1	This person is:	inventor only		
III-4-4	Name (LAST, First)	ZIMMERMANN, Peter Jan		
III-4-5 	Address:	Zum Lerchental 43/1 78315 Radolfzell Germany		

III-5	Applicant and/or inventor		
III-5-1	This person is:	inventor only	
III-5-4	Name (LAST, First)	BUHR, Wilm	
III- <b>5</b> -5	Address:	Zum Kirchenwald 7	
		78465 Konstanz	
		Germany	
III-6	Applicant and/or inventor		
III-6-1	This person is:	inventor only	
III-6-4	Name (LAST, First)	SIMON, Wolfgang-Alexander	
111-6-5	Address:	Schubertstraße 17	
		78464 Konstanz	
		Germany	
III-7	Applicant and/or inventor		
III-7-1	This person is:	inventor only	
111-7-4	Name (LAST, First)	KROMER, Wolfgang	
III-7-5	Address:	Hinterhauserstr. 5	
		78464 Konstanz	
		Germany	
III <b>-8</b> III-8-1	Applicant and/or inventor This person is:		
	·	inventor only	
III-8-4	Name (LAST, First)	POSTIUS, Stefan	
111-8-5	Address:	Austraße 4b	
		78467 Konstanz	
IV-1	Agent or common representative; or	Germany	
14-1	address for correspondence		
	The person identified below is hereby/ has been appointed to act on behalf of	agent	
	the applicant(s) before the competent		
	International Authorities as:		
IV-1-1	Name (LAST, First)	WOLF, Ulrich	
IV-1-2	Address:	c/o ALTANA Pharma AG, Byk-Gulden-Str. 2	
		78467 Konstanz	
IV-1-3	Telephone No.	Germany	
	'	+49(0)7531-84-5320	
IV-1-4	Facsimile No.	+49(0)7531-84-5321	
IV-1-5	e-mail	dekon.ippa-de@altanapharma.com	
IV-1-6	Agent's registration No.	052382.9	
IV-2	Additional agent(s)	additional agent(s) with same address as	
IV-2-1	Name(s)	first named agent	
14-2-1	Indine(s)	WILD, Robert (099982.1);	
		<pre>KRATZER, Bernd (0955419); RUPP, Herbert (00052372.0);</pre>	
	I	Ruff, nerbert (000525/2.0);	

	1	MECHNICH, Oliver (0099430);			
		KROEGER, Bernd (0081260)			
V	DESIGNATIONS				
V-1	The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.				
VI-1	Priority claim of earlier regional application				
VI-1-1	Filing date	22 March 2004 (22.03.2004)			
VI-1-2	Number	04101167.7			
VI-1-3	Regional Office	EP			
VI-2	Priority document request				
	The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI-1			
VII-1	International Searching Authority Chosen	European Patent Office (EPO) (ISA/EP)			
VII-2	Request to use results of earlier search; reference to that search				
VII-2-1	Date	02 June 2004 (02.06.2004)			
VII-2-2	Number	04101167			
VII-2-3	Country (or regional Office)	EP			
VIII	Declarations	Number of declarations			
VIII-1	Declaration as to the identity of the inventor	-			
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	1			
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-			
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	1			
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-			

	Declaration: Entitlement to apply for and be granted a patent Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate:	in relation to this international application
	Name (LAST, First)	ALTANA PHARMA AG is entitled to apply for and be granted a patent by virtue of the following:
VIII-2-1(i i)		ALTANA PHARMA AG is entitled as employer of the inventor, BREHM, Christof
VIII-2-1(i i)		ALTANA PHARMA AG is entitled as employer of the inventor, CHIESA, M. Vittoria
VIII-2-1(i i)		ALTANA PHARMA AG is entitled as employer of the inventor, ZIMMERMANN, Peter Jan
VIII-2-1(i i)		ALTANA PHARMA AG is entitled as employer of the inventor, BUHR, Wilm
VIII-2-1(i i)		ALTANA PHARMA AG is entitled as employer of the inventor, SIMON, Wolfgang-Alexander
VIII-2-1(i i)		ALTANA PHARMA AG is entitled as employer of the inventor, KROMER, Wolfgang
ViII-2-1(i i)		ALTANA PHARMA AG is entitled as employer of the inventor, POSTIUS, Stefan
VIII-2-1(i i)		ALTANA PHARMA AG is entitled as employer of the inventor, PALMER, Andreas
•	This declaration is made for the purposes of:	all designations except the designation of the United States of America

	Declaration: Inventorship (only for the purposes of the designation of the United States of America) Declaration of Inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the	I hereby declare that I believe I am the
	4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America:	original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.  This declaration is directed to the international application of which it forms a part (if filing declaration with application).  I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.
		I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications", by application number, country or Member of the World Trade Organization, day, month, and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.
VIII-4-1- 1	Prior applications:	

		I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.
	Name (LAST, First)	PALMER, Andreas
1-1	D. 11.	
VIII-4-1- 1-2	Residence: (city and either US State, if applicable, or country)	Konstanz, Germany
1-3	Mailing address:	Pirminweg la D-78467 Konstanz Germany
1-4	Citizenship:	DE
VIII-4-1- 1-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	/Andreas PALMER/
VIII-4-1- 1-6	Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)	18 March 2005 (18.03.2005)

IX	Check list	number of sheets	electronic file(s) attached	
X-1	Request (including declaration sheets)	8 🗸		
X-2	Description	42	<b>√</b>	
X-3	Claims	8	/	
X-4	Abstract	1	/	
X-5	Drawings	0	/	
X-7	TOTAL	59		
· · · · · ·	Accompanying Items	paper document(s) attached	electronic file(s) attached	
X-8	Fee calculation sheet	-	1	
X-11	Copy of general power of attorney	-	reference no. 026160.2	
X-17	PCT-SAFE physical media	-	-	
X-19	Figure of the drawings which should accompany the abstract			
X-20	Language of filing of the international application	English		
K-1	Signature of applicant, agent or common representative	/Andreas PALMER/		
K-1-1	Name (LAST, First)	PALMER, Andreas		
X-1-2	Name of signatory			
K-1-3	Capacity			
X-2	Signature of applicant, agent or common representative	(PKCS7 Digital Signature)		
X-2-1	Name (LAST, First)	WOLF, Ulrich		
X-2-2	Name of signatory			
X-2-3	Capacity			

#### Print Out (Original in Electronic Form)

#### FOR RECEIVING OFFICE USE ONLY

10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/EP
10-6	Transmittal of search copy delayed until search fee is paid	

#### FOR INTERNATIONAL BUREAU USE ONLY

11-1	Date of receipt of the record copy by	
	the International Bureau	

PCT (ANNEX - FEE CALCULATION SHEET)

Print Out (Original in Electronic Form)

(This sheet is not part of and does not count as a sheet of the international application)

0	For receiving Office use only			
0-1	International Application No.			
0-2	Date stamp of the receiving Office			
	L			
0-4	Form PCT/RO/101 (Annex)			
U-4	PCT Fee Calculation Sheet			
0-4-1	Prepared Using	PCT Online Fil	ling	
		Version 3.50 (Build 0001.162)		
0-9	Applicant's or agent's file reference	1243WOORD01		
2	Applicant ALTANA PHARMA AG			
12	Calculation of prescribed fees	fee amount/muliplier	Total amounts (EUR)	
12-1	Transmittal fee T	<b>r</b> \$	100	
12-2-1	Search fee S	4>	1550	
12-2-2	International search to be carried out by	EP	•	
12-3	International filing fee			
	(first 30 sheets) i1	902		
12-4	Remaining sheets	29		
12-5	Additional amount (X)	10		
12-6	Total additional amount i2	290		
12-7	i1 + i2 = i	1192		
12-12	Electronic Filing reduction (Full) R	0		
12-13	Total International filing fee (i-R)	r\$>	1192	· · · · · · · · · · · · · · · · · · ·
12-14	Fee for priority document			
	Number of priority documents requested	1		
12-15	Fee per document (X)	30		
12-16	Total priority document fee: P	<b>r</b> \$	30	
12-17	TOTAL FEES PAYABLE (T+S+I+P)	r‡>	2872	
12-19	Mode of payment	authorization	to charge depor	sit account
12-20	Deposit account instructions			
	The receiving Office	European Pater	nt Office (EPO)	(RO/EP)
12-20-1	Authorization to charge the total fees indicated above.	✓		
12-20-2	Authorization to charge any deficiency or credit any overpayment in the total fees indicated above.	<b>✓</b>		
12-20-3		✓		
12-21	Deposit account No.	28000022		
12-22	Date	18 March 2005 (18.03.2005)		
12-23	Name and signature	ALTANA PHARMA	AG,	
		/Ulrich WOLF/		

PCT (ANNEX - FEE CALCULATION SHEET)

Print Out (Original in Electronic Form)

(This sheet is not part of and does not count as a sheet of the international application)

#### **REMARKS**

data that have 0001.162). The inventor. He is BREHM, Christ SIMON, Wolfga	that the Print out (Original in electronic form) does not reflect the been entered into PCT online Filing Software Version 3.50 (Build following was intended: PALMER, Andreas is applicant and applicant for US only and inventor for all designated states. of; CHIESA, M. Vittoria; ZIMMERMANN, Peter Jan; BUHR, Wilm; ang-Alexander; KROMER, Wolfgang; POSTIUS, Stefan are They are inventors for all designated states with the exception of the states with the exceptio
---	--